

**ASCE – INDOT
STRUCTURAL COMMITTEE
MEETING NO. 63 MINUTES**

**February 25, 2014
9:00 am, INDOT Room N642**

The meeting was called to order at 9:00 a.m. by Anne Rearick. Those in attendance were:

Anne Rearick	INDOT, Bridge Division
Elizabeth Phillips	INDOT, Bridge Division
Naveed Burki	INDOT, Bridge Division
Mahmoud Hailat	INDOT, Bridge Division
Greg Pankow	INDOT, Construction Management
Derrick Hauser	INDOT, Bridge Division
Wendy Chiles	INDOT, Bridge Division
Keith Hoernschmeyer	Federal Highway Administration
Jason Yeager	Gohmann Asphalt Company
Mike Wenning	GAI Consultants, Inc.
Mike McCool	Beam Longest & Neff, LLC.
Michael Eichenauer	Butler, Fairman and Seufert, Inc.
Seth Schickel	HNTB Corp.
Kurt Heidenreich	Engineering Resources, Inc.
Celeste Spaans	Prestress Services, Inc.
Ben Borchering	American Structurepoint, Inc.
Mike Halterman	USI Consultants, Inc.

In addition to the attendees, these minutes will be sent to the following:

Michael Matel	Butler, Fairman and Seufert, Inc.
Burleigh Law	HNTB Corp.
Tony Zander	INDOT, Highway Management Division
Jim Reilman	INDOT, Construction Management
Troy Jessop	R. W. Armstrong

1. INDOT Bridge Design Conference Summary (McCool)
 - a. Try to hold on September 16 or 23, 2014.
 - b. Wenning to coordinate with County Bridge Conference. Heidenreich and Law will help.
 - c. 5 suggested topics from 2013. McCool will distribute.
 - d. Members of committee to add suggestions.
 - e. People liked technical topics more than case studies.
2. PTFE Design Requirement (Eichenauer)
 - a. Mike McCool and Mike Wenning will help with this.
 - b. It was suggested that cotton duck pads can handle deflection also.
3. Bearing Pad Details (Jessop, Eichenauer)
 - a. Troy provided some changes and will distribute to the committee for comments.
 - b. Changes must be approved by FHWA
 - c. Phillips will check on spec basis.
4. Concrete mix designs (Law, Reilman, Zander)
 - a. Internally cured had some failed materials last year. FHWA allowing INDOT to continue trying it on a limited basis.

- b. Separate lightweight specifications for decks of pedestrian bridges from other locations.
 - c. All unique special provisions should be sent through Construction Management.
- 5. Prestressed Beam Notching (Jessop, Halterman)
 - a. Discussion tabled.
- 6. Standard Beam Detail Sheets (Phillips/Law) (update)
 - a. Use 1 ¼" min. cover to reinforcement based on #4 bar. #5 & #6 may be 1".
 - b. Committee to use on projects and provide comments to Elizabeth by June 8.
 - c. Law will edit IDM Chapter 406.
- 7. Software Practice Pointers (McCool)
 - a. Mike will tie comments to appropriate IDM sections.
- 8. Stay-in-Place metal form details (Phillips/McCool)
 - a. Details must be approved by FHWA.
- 9. Steel Diaphragm Details for Hybrid Girders (Phillips) (final update)
 - a. Completed.
- 10. Steel Diaphragm Details for steel beams (McCool)
 - a. MC18x42.7 is a special section so allow a bent plate as an option.
- 11. MSE walls and riprap turnouts (Phillips, McCool) (final update)
 - a. Going into IDM.
- 12. Prestressed Beam Camber (Reilman, Heidenreich, Hailat, Halterman)
 - a. Multipliers don't apply to current beam shapes. PCA is studying this.
 - b. We need to either use past data from fabricators to better predict camber or come up with an acceptable solution to adjusting bridge seats up or down.
- 13. Prestressed Beam Shipping Strands (Reilman, Heidenreich, Hailat, Halterman)
 - a. Discussion tabled.
- 14. Post Tensioning Specs (Zurawska, Phillips, Zander) (update)
 - a. Elizabeth has retired. This will take longer to produce by others in INDOT.
 - b. Move to Parking Lot.
- 15. IDM 407 Steel Chapter Figure Updates (McCool, Law)
 - a. In progress to meet current standards.
- 16. Bifurcated Barriers (Jessop)
 - a. Wenning and Law will help with this.
 - b. Discussion Tabled
- 17. Flexural Strength vs. Compressive Strength for Falsework Removal (Heidenreich, Yeager, Rearick)
 - a. Removal of Forms vs. Removal of Falsework lines blurred in specifications.
 - b. Current interpretation is 15 day minimum cure.
 - c. Strength is more important than time but cure time should continue. Earlier could cause more cracking.
 - d. Committee is more comfortable with compression than flexural testing.

18. New Business

- a. Continuity of Prestressed Concrete Beam per IDM 406-12.05. Discussion Tabled.
(Phillips)

The next meeting for the INDOT Structural Committee is scheduled for 9:00 a.m. on July 31, 2014, in room N642. Mike McCool will distribute an agenda prior to the meeting. This meeting was adjourned at 11:00 a.m.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Michael Wenning", with a stylized flourish at the end.

Michael Wenning, P.E.

GAI Consultants, Inc.

m.wenning@gaiconsultants.com